

PREPARED FOR:

NICHOLAS KERAMARIS
6 BELLIS CIRCLE, UNIT F
CAMBRIDGE, MA 02140

PREPARED BY:

100 SUMMER STREET BOSTON, MA 02110 617.426.7330

REGISTRATION STAMP:

REVISIONS:				
REV NO:	DATE:	DESCRIPTION:	BY:	
1	6/17/22	PLANNING BOARD REVISIONS	NSB	
REGISTRY USE ONLY:				

PLAN TITLE:

No. 355 HIGHLAND STREET EXISTING CONDITIONS PLAN

DISCIPLINE:

CIVIL

DRAWN BY: CHECKED BY: APPROVED BY:

NB JL JL

DATE:

5/26/2022

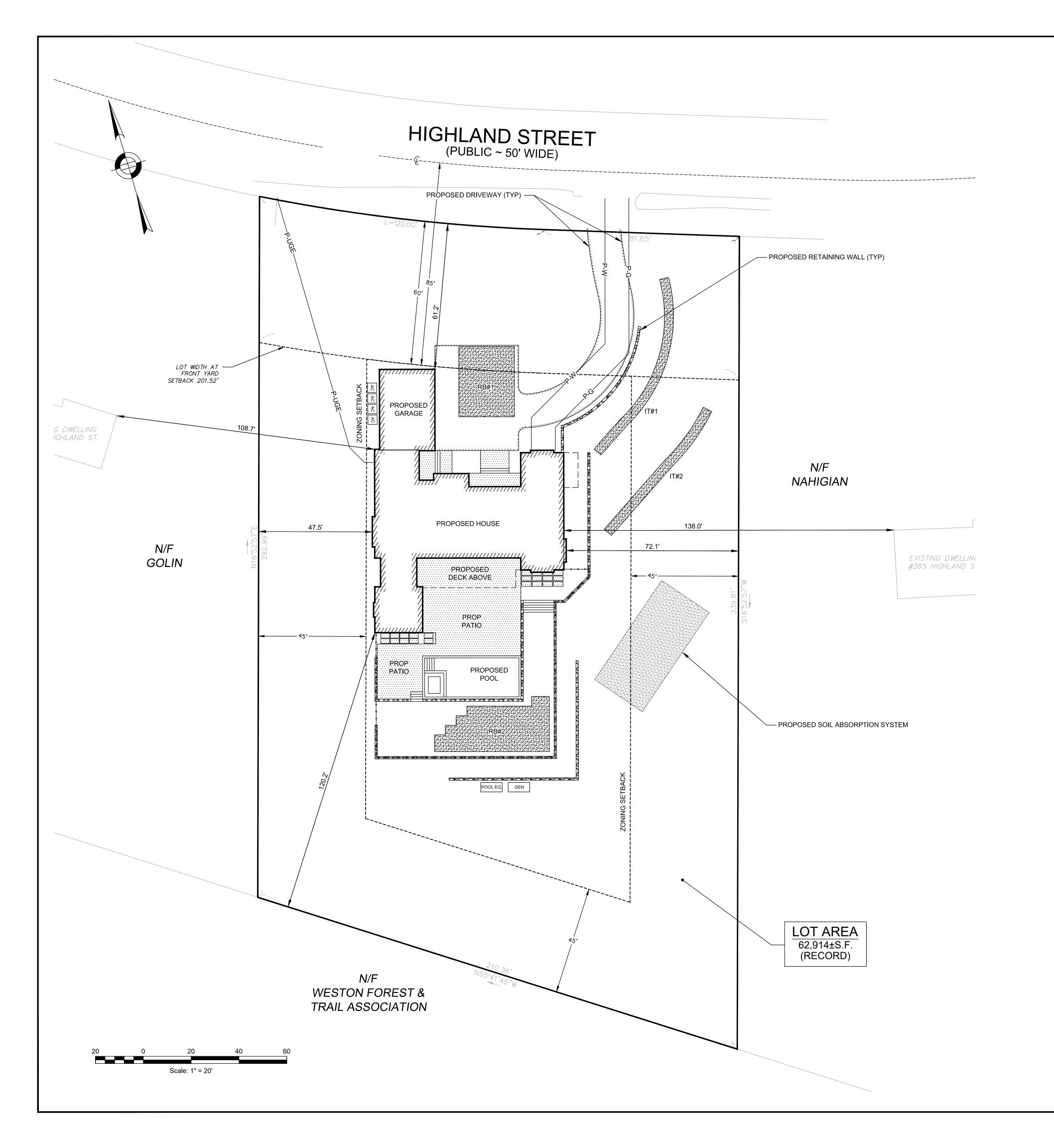
1" = 20'

.\_\_\_ ....

SCALE:

SHEET NUMBER:

E1.0



LEGEND EXISTING WETLAND FLAG EXISTING TREE (TYPE & DIAMETER) EXISTING CONTOUR PROPOSED CONTOUR +190.0 PROPOSED SPOT ELEVATION EXISTING FORCE MAIN EXISTING SEPTIC PIPE EXISTING WATER SERVICE EXISTING GAS SERVICE EXISTING UNDERGROUND ELECTRIC EXISTING UTILITY POLE PROPOSED WATER SERVICE PROPOSED GAS SERVICE PROPOSED UNDERGROUND ELECTRIC SERVICE PROPOSED ROOFDRAIN DOWNSPOUT PROPOSED RECHARGE BASIN ———P-D——— PROPOSED 6"Ø SCH40 PVC DRAINAGE PIPE PROPOSED 6"Ø SCH40 PVC ROOF DRAIN PIPE PROPOSED 6"Ø SCH40 PVC FOUNDATION DRAIN PIPE PROPOSED 6"Ø SCH40 PVC UNDER DRAIN PIPE ——P-UD—— -----P-S -----PROPOSED FORCE MAIN EXISTING RETAINING WALL EXISTING EDGE OF PAVEMENT PROPOSED RETAINING WALL でいいなるなるできる。 PROPOSED EDGE OF DRIVEWAY ■ ■ ECB#1 ■ ■ PROPOSED EROSION CONTROL BARRIER #1 PROPOSED EDGE OF LAWN PROPOSED LIMIT OF PLANTING PROPOSED LIMIT OF WORK PROPOSED LANDSCAPE AREA PROPOSED POTENTIAL STOCK PILE AREA

# **GENERAL NOTES**

- 1. FOR ADDITIONAL PROPERTY LINE INFORMATION REFER TO THE DEED BOOK 75870, PAGE 212 RECORDED AT THE MIDDLESEX REGISTRY OF DEEDS.
- 2. TOWN OF WESTON ASSESSOR'S MAP/LOT REFERENCE FOR THE PROJECT IS MAP 43, LOT 37.
- 3. THE ZONING CLASSIFICATION FOR THIS PROJECT IS RESIDENCE A.
- 4. THE PROJECT SITE DATUM IS N.A.V.D. 88.
- 5. THE PLANIMETRIC AND TOPOGRAPHIC SITE FEATURES SHOWN HEREON ARE BASED ON FIELD
- SURVEY WORK PERFORMED BY STAMSKI AND McNARY, INC. IN DECEMBER 2021.
- 6. ANY EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON
- COMPILED INFORMATION AND SHALL BE CONSIDERED APPROXIMATE. 7. THE ABUTTER HOMES SHOWN HEREON ARE BASED ON TOWN GIS DATA AND THE SURVEY
- NOTED ABOVE. THEREFORE, THE LOCATION AND ELEVATIONS SHALL BE CONSIDERED APPROXIMATE.
- 8. THIS PLANSET IS INTENDED FOR PERMITTING REVIEW AND APPROVAL ONLY.

## CONSTRUCTION NOTES

- 1. PRIOR TO ANY CONSTRUCTION, THE RECORD CONTRACTOR SHALL MEET WITH WSP TO REVIEW THE APPROVED DESIGN PLANS AND DISCUSS CONSTRUCTION STANDARDS, REQUIREMENTS, INSPECTIONS & SCHEDULING.
- 2. ALL CONSTRUCTION METHODS SHALL COMPLY WITH THE SITE DEVELOPMENT PLAN SET AND ALL LOCAL, STATE AND FEDERAL AGENCY APPROVALS AND PUBLIC/ PRIVATE UTILITY COMPANY REQUIREMENTS.
- 3. THE RECORD CONTRACTOR SHALL NOTIFY WSP THREE BUSINESS DAYS PRIOR TO EACH CONSTRUCTION PHASE (i.e. FOUNDATION EXCAVATION, SEPTIC INSTALLATION, DRAINAGE INSTALLATION, ETC.).

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REV NO:	DATE:	DESCRIPTION:	BY:	
1	6/17/22	PLANNING BOARD REVISIONS	NSB	
REGISTR	Y USE ONL	Y:		

No. 355 HIGHLAND STREET PLOT PLAN

DISCIPLINE:

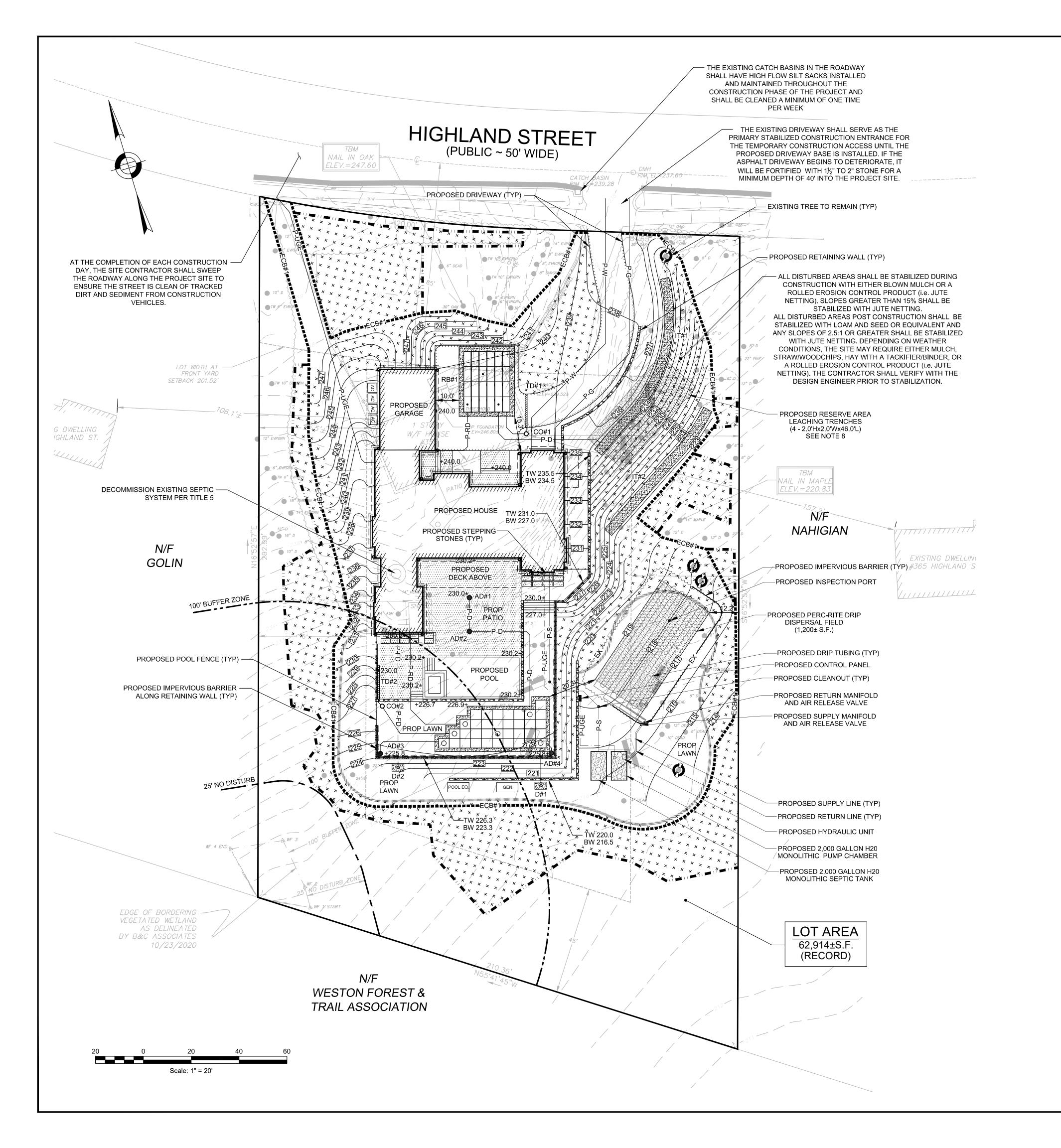
CIVIL DRAWN BY: CHECKED BY: APPROVED BY: NB

DATE:

5/26/2022

1" = 20'

SCALE:



# **EXISTING HOUSE ELEVATIONS**

HIGHEST ROOF RIDGE = 262.4'± FIRST FLOOR = 248.0'± TOP OF FOUNDATION = 246.8'± GARAGE SLAB = 239.5'±

# PROPOSED HOUSE **ELEVATIONS**

HIGHEST ROOF RIDGE = 272.1'± FIRST FLOOR = 241.5'± TOP OF FOUNDATION = 240.2'± BASEMENT SLAB = 230.7'± GARAGE SLAB = 240.0'± REVERSE BRICK SHELF = 241.2'±

	LEGENIA		
LEGEND			
WF # 🛕	EXISTING WETLAND FLAG		
• C10"	EXISTING TREE (TYPE & DIAMETER)		
190— — —	EXISTING CONTOUR		
190———	PROPOSED CONTOUR		
+190.0	PROPOSED SPOT ELEVATION		
FM	EXISTING FORCE MAIN		
s	EXISTING SEPTIC PIPE		
W	EXISTING WATER SERVICE		
——— G ———	EXISTING GAS SERVICE		
——— UE ———	EXISTING UNDERGROUND ELECTRIC		
Ø UP	EXISTING UTILITY POLE		
——P-W——	PROPOSED WATER SERVICE		
———Р-G——	PROPOSED GAS SERVICE		
P-UGE	PROPOSED UNDERGROUND ELECTRIC SERVICE		
0	PROPOSED ROOFDRAIN DOWNSPOUT		
RB	PROPOSED RECHARGE BASIN		
——P-D——	PROPOSED 6"Ø SCH40 PVC DRAINAGE PIPE		
——P-RD——	PROPOSED 6"Ø SCH40 PVC ROOF DRAIN PIPE		
——P-FD——	PROPOSED 6"Ø SCH40 PVC FOUNDATION DRAIN PIPE		
——P-UD——	PROPOSED 6"Ø SCH40 PVC UNDER DRAIN PIPE		
P-S	PROPOSED FORCE MAIN		
	EXISTING RETAINING WALL		
	EXISTING EDGE OF PAVEMENT		
	PROPOSED RETAINING WALL		
	PROPOSED EDGE OF DRIVEWAY		
<b>— —</b> ECB#1 <b>— —</b>	PROPOSED EROSION CONTROL BARRIER #1		
1 111111111111111111111	PROPOSED EDGE OF LAWN		
	PROPOSED LIMIT OF PLANTING		
	PROPOSED LIMIT OF WORK		
* + * + * * *	PROPOSED LANDSCAPE AREA		
<u> </u>			

# **GENERAL NOTES**

PROPOSED POTENTIAL STOCK PILE AREA

- 1. FOR ADDITIONAL PROPERTY LINE INFORMATION REFER TO THE DEED BOOK 75870, PAGE 212 RECORDED AT THE MIDDLESEX REGISTRY OF DEEDS.
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- 5. THE PLANIMETRIC AND TOPOGRAPHIC SITE FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEY WORK PERFORMED BY STAMSKI AND McNARY, INC. IN DECEMBER 2021.
- 6. ANY EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON
- COMPILED INFORMATION AND SHALL BE CONSIDERED APPROXIMATE.
- 7. THE PROPOSED RESERVE AREA SHOWN HEREON SHALL NOT BE IN USE UNLESS THE PRIMARY AREA IS UNUSABLE. IF THE USE OF THIS AREA IS REQUIRED THE DRAINAGE IN THE LOCATION OF THE PROPOSED RESERVE AREA SHALL BE REMOVED.
- 8. THE ABUTTER HOMES SHOWN HEREON ARE BASED ON TOWN GIS DATA AND THE SURVEY NOTED ABOVE. THEREFORE, THE LOCATION AND ELEVATIONS SHALL BE CONSIDERED
- 9. THIS PLANSET IS INTENDED FOR PERMITTING REVIEW AND APPROVAL ONLY.

## **CONSTRUCTION NOTES**

- 1. PRIOR TO ANY CONSTRUCTION, THE RECORD CONTRACTOR SHALL MEET WITH WSP TO REVIEW THE APPROVED DESIGN PLANS AND DISCUSS CONSTRUCTION STANDARDS, REQUIREMENTS, INSPECTIONS & SCHEDULING.
- 2. ALL CONSTRUCTION METHODS SHALL COMPLY WITH THE SITE DEVELOPMENT PLAN SET AND ALL LOCAL, STATE AND FEDERAL AGENCY APPROVALS AND PUBLIC/ PRIVATE UTILITY COMPANY REQUIREMENTS.
- 3. THE RECORD CONTRACTOR SHALL NOTIFY WSP THREE BUSINESS DAYS PRIOR TO EACH CONSTRUCTION PHASE (i.e. FOUNDATION EXCAVATION, SEPTIC INSTALLATION, DRAINAGE INSTALLATION, ETC.).

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REVISIONS:				
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1	6/17/22	PLANNING BOARD REVISIONS	NSB	

PLAN TITLE:

REGISTRY USE ONLY:

No. 355 HIGHLAND STREET SITE DEVELOPMENT PLAN

DISCIPLINE:

DRAWN BY: CHECKED BY: APPROVED BY:

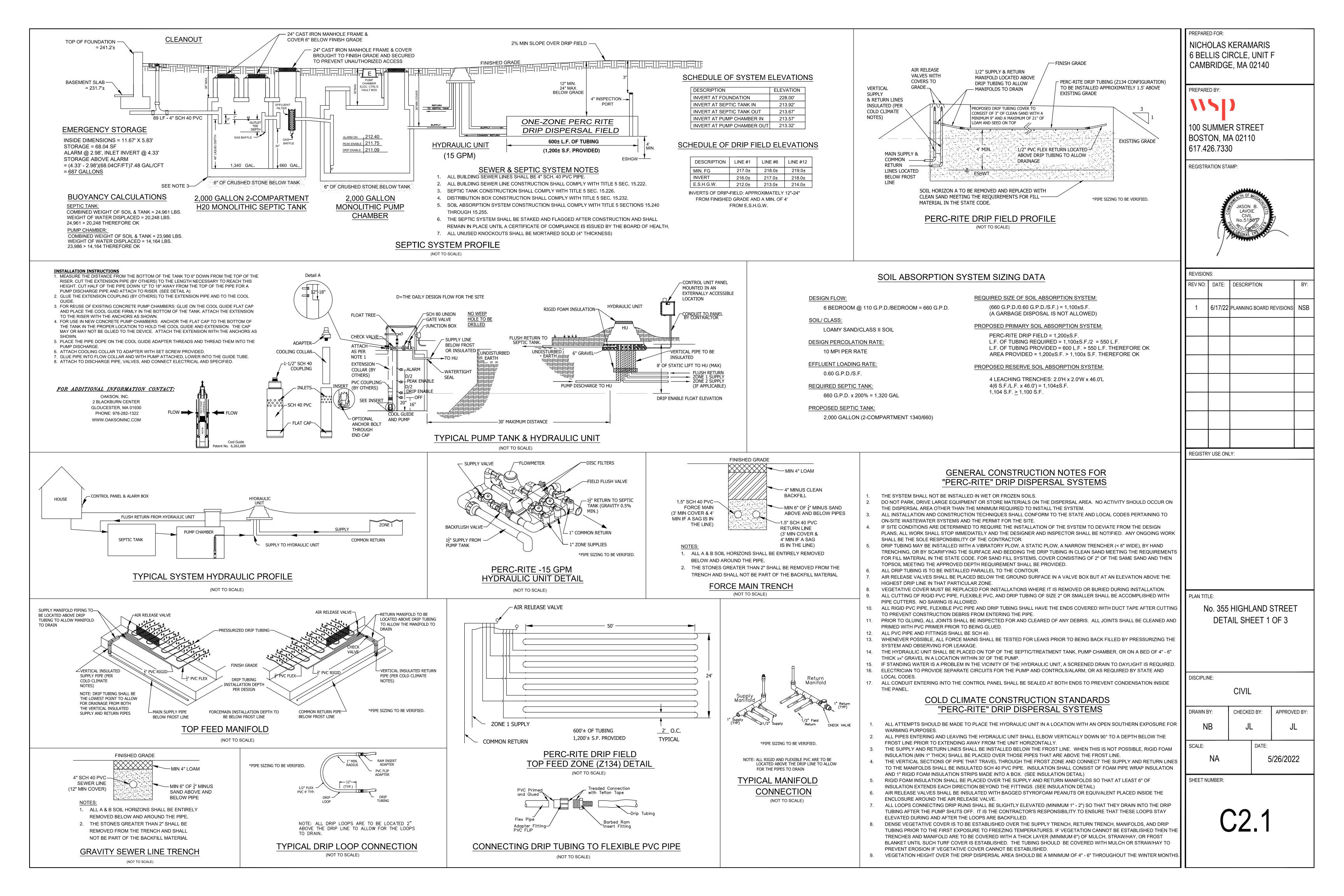
DATE:

5/26/2022

CIVIL

1" = 20'

SCALE:



### SOIL TESTING DATA

DATES OF TESTING: NOVEMBER 10, 2020 TEST BY: PAUL KIRCHNER, SE14237 STAMSKI AND McNARY, INC.

PERC TEST DATA

WITNESSED BY:

RATE:

DEPTH OF TEST:

10 MPI

BETH ANN BOLES, TOWN OF WESTON

5 MPI

#### DEEP TEST HOLE DATA

 DTH#TP-1

DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL: TILL
0'-0" - 0'-8"	А	10YR3/3	SANDY LOAM	DEPTH TO SEDROCK: >6'-8"  DEPTH TO GROUNDWATER:
0'-8" - 1'-8"	В	10YR5/6	SANDY LOAM	MOTTLES: 3'-6" STANDING: N/A
1'-8" - 6'-8"	С	10YR5/3	LOAMY SAND	WEEPING: N/A ESHGW: 3'-6" (211.6)

#### DTH#TP-2

DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL: TILL
	^	40VD2/2	CANDVIOAM	DEPTH TO >7'-8"
0'-0" - 0'-8"	A	10YR3/3	SANDY LOAM	DEPTH TO GROUNDWATER:
0'-8" - 1'-10"	В	10YR5/6	SANDY LOAM	MOTTLES: <u>4'-2"</u>
				STANDING: N/A
1'-10" - 7'-8"	С	10YR5/3	LOAMY SAND	WEEPING: N/A
			20, 0, 1112	ESHGW: <u>4'-2" (211.1)</u>

#### DTH#TP-3

DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL: TILL
0'-0" - 0'-8"	A	10YR3/3	SANDY LOAM	DEPTH TO BEDROCK: >8'-0"
0-0 - 0-8		10113/3	SANDY LOAW	DEPTH TO GROUNDWATER:
0'-8" - 1'-10"	В	10YR5/6	SANDY LOAM	MOTTLES: 3'-10" STANDING: 7'-10"
1'-10" - 8'-0"	С	10YR5/3	LOAMY SAND	WEEPING: N/A ESHGW: 3'-10" (215.0)

#### DTH#TP-4

DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL:	TILL
0' 0" 0' 0"	_	40VD2/2	CANDVIOAM	DEPTH TO BEDROCK:	<u>&gt;8'-0"</u>
0'-0" - 0'-8"	- 0'-8"   A   10YR3/3   SANDY LOAM	DEPTH TO G	ROUNDWATER:		
0'-8" - 1'-10"	В	10YR5/6	SANDY LOAM	MOTTLES:	4'-0"
		10111070	57 (175 T 257 (17)	STANDING:	N/A
1'-10" - 8'-0"	C	10YR5/3	LOAMY SAND	WEEPING:	N/A
		10111070	20, 1111 3, 1112	ESHGW:	4'-0" (213.4)
		•		•	

DATES OF TESTING: APRIL 15, 2021

TEST BY: PAUL KIRCHNER, SE14237 STAMSKI AND McNARY, INC.

BETH ANN BOLES, TOWN OF WESTON



PT#PT-C **DEPTH OF TEST:** RATE: 10 MPI

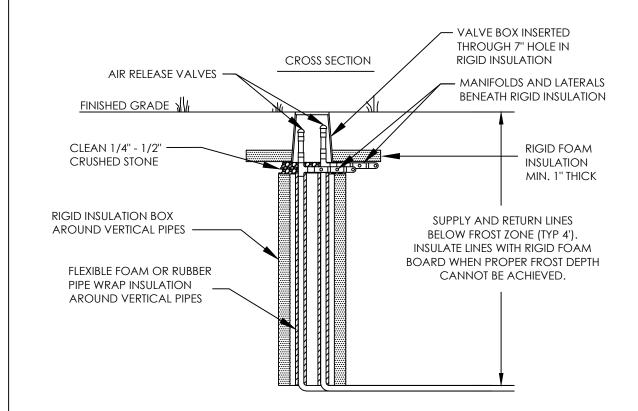
#### DEEP TEST HOLE DATA

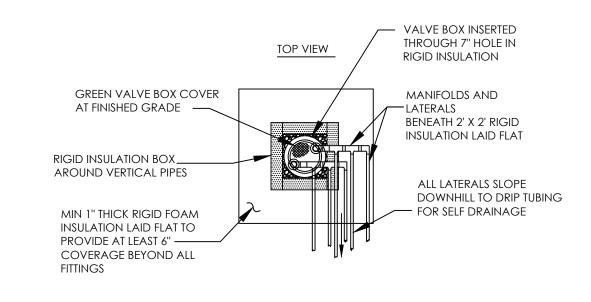
18888888	DTH#TP-5
*******	D   N#   F=3

DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL: TILL
				DEPTH TO >90"
0" - 8"	A	10YR3/3	SANDY LOAM	DEPTH TO GROUNDWATER:
8" <b>-</b> 26"	В	10YR5/6	SANDY LOAM	MOTTLES:46"
0 20		101110/0	0/11 <b>1</b>	STANDING: N/A
26" - 90"	c	10YR5/3	LOAMY SAND	WEEPING: N/A
23 30		101110/0	20, 11, 1 0, 110	ESHGW: <u>46"</u>

***	DTH#TP-6

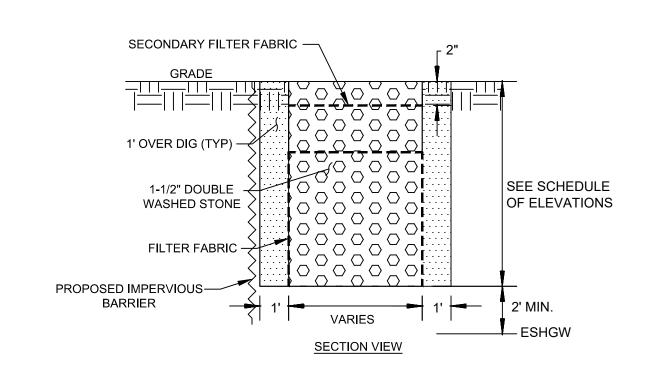
DEPTH FROM SURFACE	SOIL HORIZON	SOIL COLOR	DESCRIPTION	PARENT: MATERIAL: TILL
	_			DEPTH TO >84"
0" - 8"	A	10YR3/3	SANDY LOAM	DEPTH TO GROUNDWATER:
8" - 24"	В	10YR5/6	SANDY LOAM	MOTTLES: 48"
				STANDING: N/A
24" - 84"	c	10YR5/3	LOAMY SAND	WEEPING: N/A
2. 01		13110/0	20,	ESHGW: <u>48"</u>





\*PIPE SIZING TO BE VERIFIED.



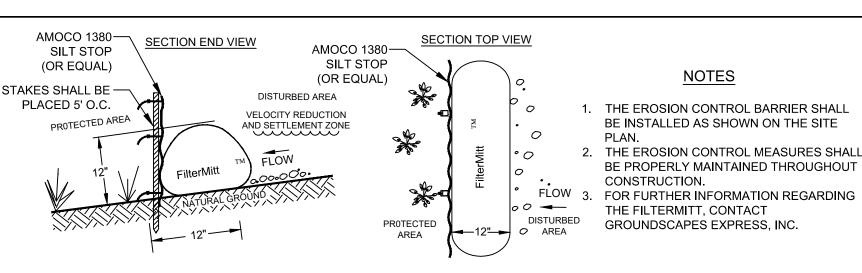


## SCHEDI II E OE EI EVATIONS

SCHEDULE OF ELEVATIONS						
DESCRIPTION	IT#1	IT#2				
DIMENSIONS (LxWxD)	83.5'x3.5'x3.0'	63.5'x4.0'x2.0'				
TOP OF TRENCH	234.0'±	223.5'±				
BOTTOM OF TRENCH	231.0'±	221.5'±				
DESIGN ESHGW	229.0'±	219.5'±				

- 1. THE CONTRACTOR SHALL VERIFY DIMENSIONS, ELEVATIONS,
- ETC. WITH WSP PRIOR TO INSTALLATION. 2. ALL STONE AGGREGATE USED IN CONSTRUCTION OF THE
- INTERCEPTOR TRENCH SHALL BE DOUBLE WASHED. 3. THE DESIGN ENGINEER SHALL VERIFY THE GROUNDWATER ELEVATION AND SOIL TYPE ON-SITE WITH THE CONTRACTOR
- PRIOR TO INTERCEPTOR TRENCH INSTALLATION. 4. THE DRAINAGE SYSTEMS SHALL BE INSTALLED IN WELL DRAINING SOIL MATERIALS. IF DELETERIOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. ANY DELETERIOUS MATERIAL BELOW OR AROUND THE DRAINAGE STRUCTURES SHALL BE REMOVED PER THE DESIGN ENGINEER'S REQUIREMENTS.

INTERCEPTOR TRENCH



**EROSION CONTROL BARRIER #1** 

FILTERMITT OR EQUIVALENT

(NOT TO SCALE)

NATIVE SOIL .

# 1. THE EROSION CONTROL BARRIER SHALL BE INSTALLED AS SHOWN ON THE SITE

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100 SUMMER STREET BOSTON, MA 02110 617.426.7330

**REGISTRATION STAMP:** 

REVISIONS:



## **EROSION CONTROL BARRIER #2**

THE SITE PLAN.

1. THE EROSION CONTROL BARRIER SHALL BE INSTALLED AS SHOWN ON

THE EROSION CONTROL MEASURES

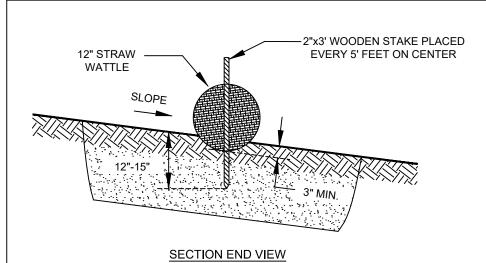
SHALL BE PROPERLY MAINTAINED

THROUGHOUT CONSTRUCTION.

SILT FENCE TO BE ENTRENCHED

HAYBALES OR EQUIVALENT (NOT TO SCALE)

NATIVE SOIL



—— HAYBALE

**⊸**FLOW—

HAYBALES BUTT

TOGETHER

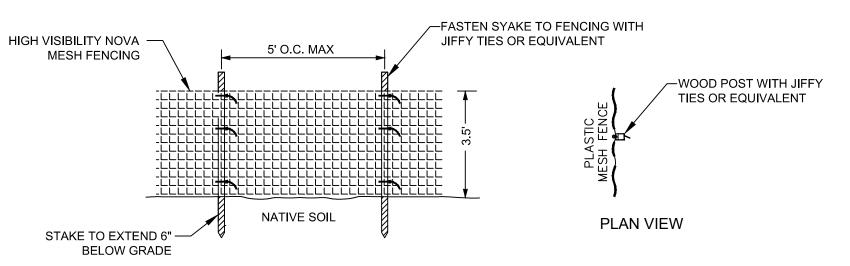
**→**FLOW

PLAN VIEW

- 1. THE EROSION CONTROL BARRIER SHALL BE USED TO ENCIRCLE STOCKPILE MATERIALS.
- 2. THE EROSION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION.
- 3. THE CONTRACTOR SHALL MAINTAIN A SMALL AMOUNT OF THE EROSION CONTROL BARRIER ONSITE, FOR EMERGENCY USE.

#### **EROSION CONTROL BARRIER #3**

STRAW WATTLE OR EQUIVALENT



#### FRONT VIEW

- 1. THE PROPOSED FENCING SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY CONSTRUCTION.
- 2. A SMALL STOCKPILE OF THE FENCING SHALL BE KEPT ONSITE FOR REPAIRS. 3. THE INSTALLED FENCING SHALL BE INSPECTED AND REPAIRED AS NEEDED.
- 4. THE INSTALLED FENCING SHALL BE REMOVED AFTER THE COMPLETION OF THE SITE WORK.
- 5. THE STAKES SHALL BE WOODEN AND 1"x1"x48" DIMENSION OR EQUIVALENT.

#### CONSTRUCTION FENCING

(NOT TO SCALE)

## **CONSTRUCTION NOTES**

- 1. THE EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ON THE SITE DEVELOPMENT PLAN ARE BASED ON FIELD SURVEYS PERFORMED BY PRECISION LAND SURVEYING, INC.
- 2. PRIOR TO ANY CONSTRUCTION, THE RECORD CONTRACTOR SHALL MEET WITH WSP TO REVIEW THE APPROVED DESIGN PLANS AND DISCUSS CONSTRUCTION STANDARDS, REQUIREMENTS, INSPECTIONS & SCHEDULING.
- 3. ALL CONSTRUCTION METHODS SHALL COMPLY WITH THE SITE DEVELOPMENT PLAN SET AND ALL LOCAL, STATE AND FEDERAL AGENCY APPROVALS AND PUBLIC/ PRIVATE UTILITY COMPANY REQUIREMENTS.
- 4. THE RECORD CONTRACTOR SHALL NOTIFY WSP THREE BUSINESS DAYS PRIOR TO EACH CONSTRUCTION PHASE (i.e.
- FOUNDATION EXCAVATION, SEPTIC INSTALLATION, DRAINAGE INSTALLATION, ETC.).

## **SWPA NOTES**

THE TOWN OF WESTON STORMWATER PERMITTING AUTHORITY (SWPA) INSPECTION REQUIREMENTS: 1. THE SWPA SHALL BE NOTIFIED A MINIMUM OF THREE BUSINESS DAYS PRIOR TO ANY DESIRED INSPECTION DATE.

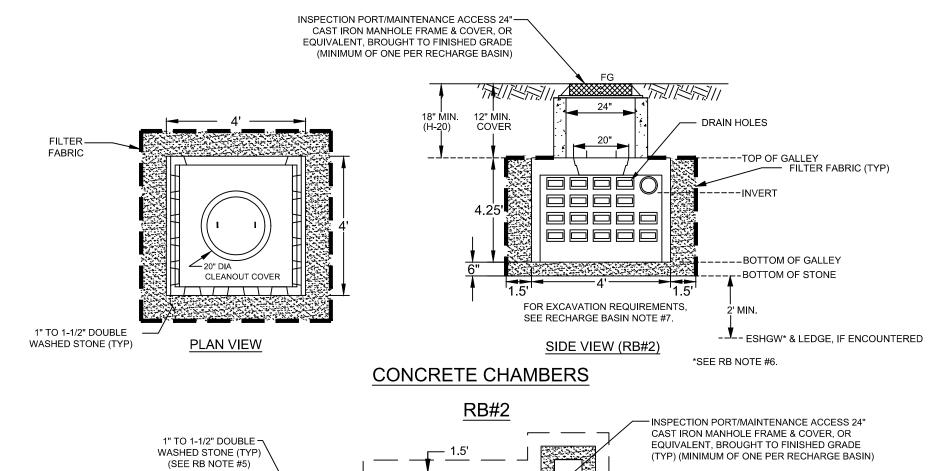
- 2. THE SWPA SHALL INSPECT ALL INSTALLED EROSION CONTROL PRIOR TO ANY LAND DISTURBANCE.
- 3. THE SWPA SHALL INSPECT THE STORMWATER INFRASTRUCTURE EXCAVATION FOR SOILS AND GROUNDWATER CONDITIONS PRIOR TO INSTALLATION OF ANY STORMWATER COMPONENTS INCLUDING STONE.
- 4. PRIOR TO ANY BACKFILL, THE SWPA SHALL INSPECT THE STORMWATER INFRASTRUCTURE WITH ALL THE
- COMPONENTS INSTALLED. 5. THE SWPA SHALL INSPECT THE PROJECT SITE AND STORMWATER INFRASTRUCTURE AFTER FINAL GRADING.
- ADDITIONAL INSPECTIONS MAY BE REQUIRED BY THE SWPA. 7. AN AS-BUILT PLAN SHALL BE REQUIRED AT THE COMPLETION OF THE PROJECT. FOR FURTHER INFORMATION REGARDING THE AS-BUILT PLAN REQUIREMENTS, REFER TO THE STORMWATER PERMIT ISSUED BY THE TOWN OF WESTON. AT A MINIMUM, THE AS-BUILT PLAN SHALL INCLUDE: PROJECT AREA TOPOGRAPHY, ALL STORMWATER-DRAINAGE FACILITIES, STRUCTURES, CONVEYANCES, WITH ALL THE ELEVATIONS, LOCATIONS, INVERTS,
- SIZES AND MATERIALS. 8. AT THE COMPLETION OF CONSTRUCTION, WHEN THE SITE IS STABILIZED, THE APPLICANT OR OWNER SHALL SUBMIT A REQUEST IN WRITING TO THE SWPA REVIEW ENGINEER FOR A CERTIFICATE OF COMPLETION WITH THE REQUIRED DOCUMENTATION AS NOTED IN THE STORMWATER MANAGEMENT PERMIT CONDITIONS.

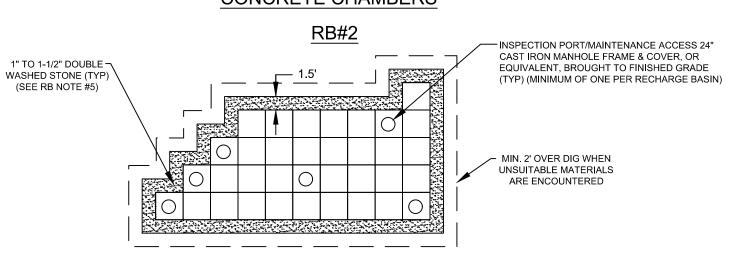
REV NO: DATE: DESCRIPTION: 6/17/22 PLANNING BOARD REVISIONS

REGISTRY USE ONLY:

No. 355 HIGHLAND STREET DETAIL SHEET 2 OF 3

CIVIL DRAWN BY: CHECKED BY: APPROVED BY: DATE: SCALE: 5/26/2022 NA





**PLAN VIEW** 

DESCRIPTION	RB#2	
DESCRIFTION	<u>DESIGN</u>	
# OF UNITS	35	
OVERALL FOOTPRINT (S.F.)	837.0 S.F.	
TOP OF UNIT	224.0'±	
6" INVERT IN	223.5'±	
6" INVERT OUT	223.5'±	
BOTTOM OF UNIT	220.2'±	
BOTTOM OF STONE	219.7'±	
DESIGN E.S.H.G.W.*	217.7'±	
STONE AROUND	1.5'	
*SEE RECHARGE BASIN NOTE;	#6	

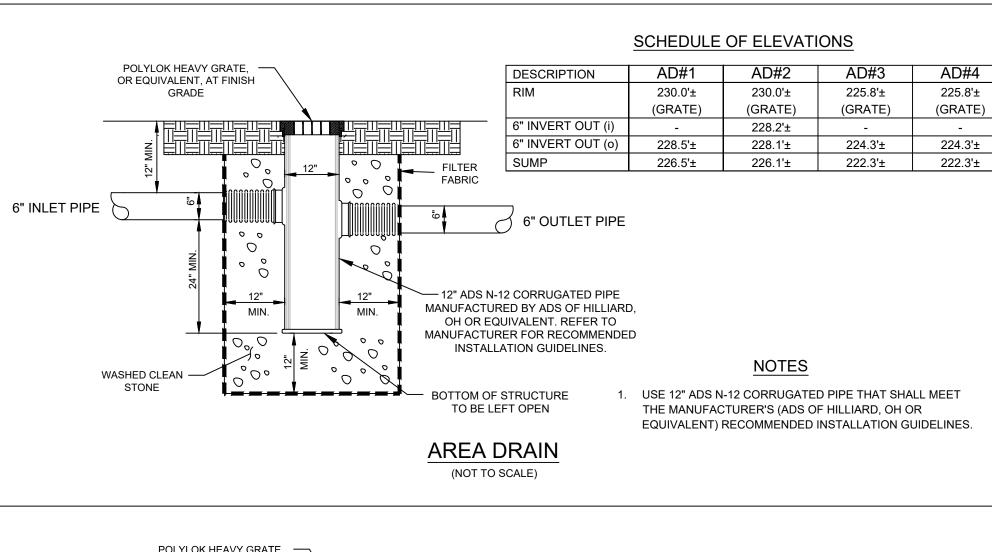
RECHARGE BASIN SCHEDULE OF **ELEVATIONS & DIMENSIONS** 

#### RECHARGE BASIN (RB) NOTES

- 1. THE CONCRETE CHAMBERS ARE MANUFACTURED BY E.F. SHEA CONCRETE OF
- WILMINGTON, MA (978-658-2645) OR EQUIVALENT. 2. REFER TO MANUFACTURER FOR RECOMMENDED INSTALLATION GUIDELINES. 3. ALL RECHARGE BASINS MUST BE INSTALLED IN ACCORDANCE WITH LOCAL, STATE AND
- FEDERAL APPROVALS/ REGULATIONS. 4. IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE DRAINAGE INSTALLATION CONFORMS WITH ALL LOCAL, STATE AND FEDERAL APPROVALS/
- REGULATIONS. 5. THE STONE USED FOR THE RECHARGE BASIN SHALL BE DOUBLE WASHED. 6. THE DESIGN ENGINEER SHALL VERIFY THE GROUNDWATER ELEVATION AND SOIL TYPE
- ON-SITE WITH THE CONTRACTOR PRIOR TO RECHARGE BASIN INSTALLATION. 7. THE DRAINAGE SYSTEMS SHALL BE INSTALLED IN WELL DRAINING SOIL MATERIALS. IF
- DELETERIOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. ANY DELETERIOUS MATERIAL BELOW OR AROUND THE DRAINAGE STRUCTURES SHALL BE REMOVED PER THE DESIGN ENGINEER'S REQUIREMENTS.

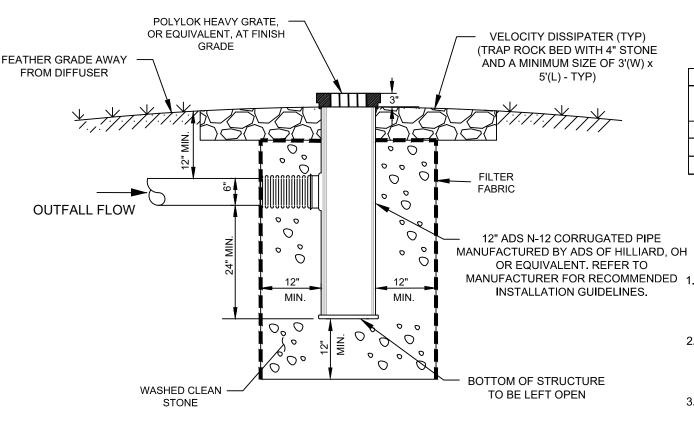
#### RECHARGE BASINS

(NOT TO SCALE)



**OUTFALL DIFFUSER** 

(NOT TO SCALE)

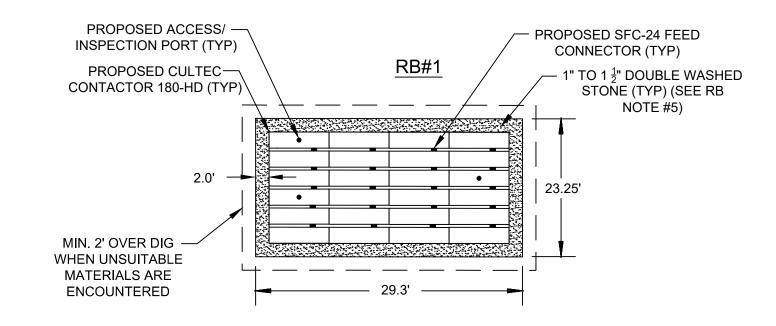


### SCHEDULE OF ELEVATIONS

D#1	D#2
217.0'	223.25'
(GRATE)	(GRATE)
216.7'±	223.0'±
215.2'±	221.5'±
213.2'±	219.5'±
	217.0' (GRATE) 216.7'± 215.2'±

- MANUFACTURER FOR RECOMMENDED 1. USE 12" ADS N-12 CORRUGATED PIPE THAT SHALL MEET THE MANUFACTURER'S (ADS OF HILLIARD, OH OR EQUIVALENT) RECOMMENDED INSTALLATION
  - **GUIDELINES** 2. THE SITE CONTRACTOR TO MEET WITH THE DESIGN ENGINEER ONSITE TO DETERMINE THE REQUIRED ELEVATIONS FOR ALL THE OUTFALL DIFFUSERS
  - PRIOR TO INSTALLATION. 3. THE DRAINAGE SYSTEMS SHALL BE INSTALLED IN WELL DRAINING SOIL MATERIALS. IF DELETERIOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. ANY DELETERIOUS MATERIAL BELOW OR AROUND THE DRAINAGE STRUCTURES SHALL BE REMOVED PER THE DESIGN ENGINEER'S REQUIREMENTS.

#### **AEP VALVE BOX & COVER** FC-24 FEED CONNECTOR-(MIN. 2 PER RB)— -4" ACCESS/INSPECTION PORT 85% COMPACTED FILL -WITH SOLID CAP WITHIN 6" OF CULTEC CHAMBER— GRADE 12" MIN. - CULTEC 410 FILTER FABRIC 12' MAX. TOPS AND SIDES TOP OF CULTEC - INV OF CULTEC BOTTOM OF CULTEC -BOTTOM OF STONE -- ESHGW\* & LEDGE, IF 1 ½" TO 2" DOUBLE-**ENCOUNTERED** WASHED STONE \*SEE RB NOTE #6. EXCAVATION BELOW AND — AROUND RECHARGE BASIN CROSS SECTION



#### RECHARGE BASIN (RB) NOTES

DESCRIPTION	RB#1
DESCRIPTION	<u>DESIGN</u>
TYPE OF UNITS	180-HD
# OF UNITS	24
OVERALL FOOTPRINT (SF)	682 SF
TOP OF UNIT	238.2'±
6" INVERT IN	237.5'±
6" INVERT OUT	237.5'±
BOTTOM OF UNIT	236.5'±
BOTTOM OF STONE	236.0'±
DESIGN E.S.H.G.W.*	234.0'±

RECHARGE BASIN SCHEDULE OF

**ELEVATIONS & DIMENSIONS** 

(SEE CULTEC NOTE #7)

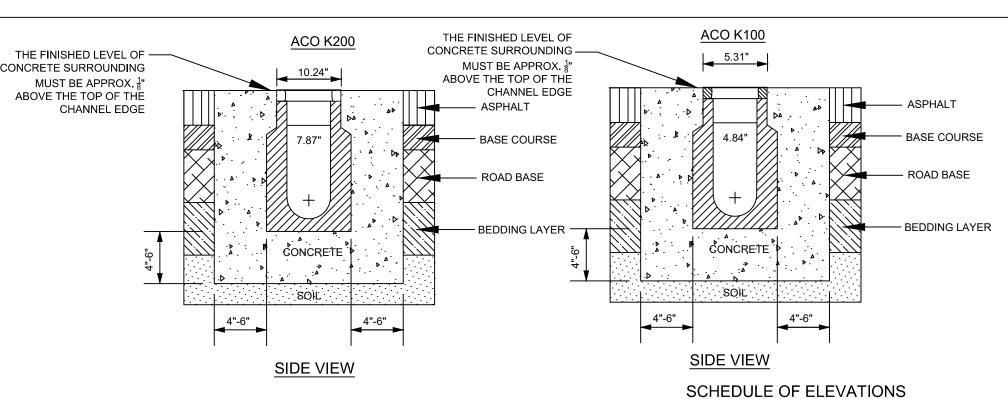
STONE AROUND 2.0' \*SEE RECHARGE BASIN NOTE #6

- 1. THE CULTEC RECHARGER 180-HD CHAMBERS ARE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416) OR EQUIVALENT.
- 2. REFER TO MANUFACTURER FOR RECOMMENDED INSTALLATION GUIDELINES. 3. ALL RECHARGE BASINS MUST BE INSTALLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
- APPROVALS/ REGULATIONS. 4. IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE DRAINAGE INSTALLATION CONFORMS
- WITH ALL LOCAL, STATE AND FEDERAL APPROVALS/ REGULATIONS.
- 5. THE STONE USED FOR THE RECHARGE BASIN SHALL BE DOUBLE WASHED. 6. THE DESIGN ENGINEER SHALL VERIFY THE GROUNDWATER ELEVATION AND SOIL TYPE ON-SITE WITH
- THE CONTRACTOR PRIOR TO RECHARGE BASIN INSTALLATION. 7. THE DRAINAGE SYSTEMS SHALL BE INSTALLED IN WELL DRAINING SOIL MATERIALS. IF DELETERIOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. ANY DELETERIOUS MATERIAL BELOW OR AROUND THE DRAINAGE STRUCTURES SHALL BE REMOVED PER

## RECHARGE BASINS (CULTEC CHAMBERS)

THE DESIGN ENGINEER'S REQUIREMENTS.

(NOT TO SCALE)



#### TRENCH DRAIN SPECIFICATIONS

- 1. THE SURFACE DRAINAGE SYSTEM SHALL BE A POLYMER CONCRETE K200 CHANNEL SYSTEM WITH GALVANIZED STEEL OR STAINLESS STEEL K-RAILS THAT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S (ACO POLYMER PRODUCTS, INC., CHARDON, OH.) INSTRUCTIONS AND
- RECOMMENDATIONS. 2. CONTRACTOR TO VERIFY TRENCH DRAIN LOCATION, TYPE AND ELEVATION WITH DESIGN ENGINEER PRIOR TO INSTALLATION.
- 3. FOR ADDITIONAL TRENCH DRAIN INFORMATION, CONTACT ACO POLYMER PRODUCTS, INC. (800-543-4764). 4. ALL PROPOSED TRENCH DRAINS SHALL EXTEND THE FULL LENGTH OF
- THE DRIVEWAY. 5. THE TYPE 902G IN-LINE CATCH BASIN SHALL BE INSTALLED WITH THE ACO K200 UNIT ON THE OUTLET END.

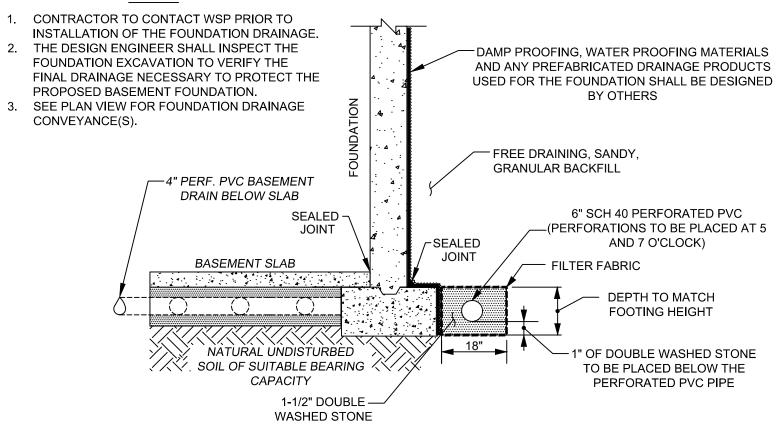
#### TD#1 TD#2 DESCRIPTION TYPE K200 K100 RIM 239.5'± 230.0'± 6" INVERT OUT 238.5'±/SIDE 229.0'±/BOTTOM (4) 1 METER UNITS (4) 1 METER UNITS UNITS

14.0'

ACOdrain TRENCH DRAIN

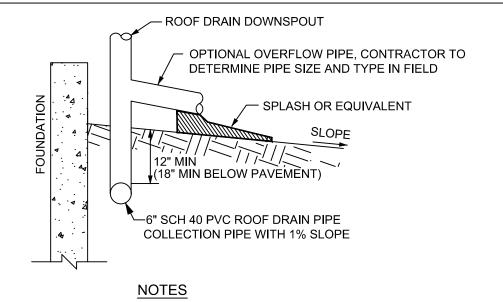
LINEAR FEET

(NOT TO SCALE)



### FOUNDATION DRAINAGE

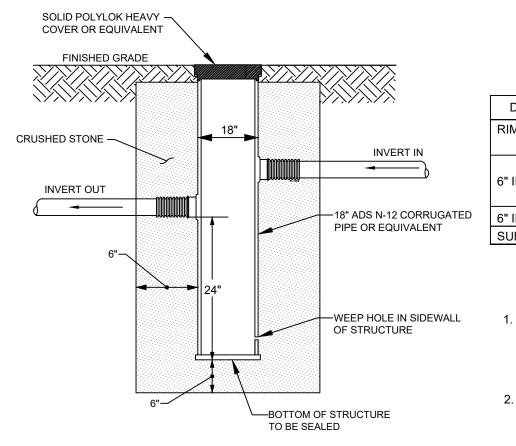
(NOT TO SCALE)



- 1. CONTRACTOR TO CONTACT WSP PRIOR TO INSTALLATION OF THE ROOF
- DRAIN COLLECTION SYSTEM. 2. SEE PLAN VIEW FOR THE ROOF DRAIN DOWN SPOUT AND COLLECTION SYSTEM LOCATIONS.

#### ROOF DRAIN COLLECTION SYSTEM

(NOT TO SCALE)



### SCHEDULE OF ELEVATIONS

DESCRIPTION	CO#1	CO#2	
RIM (TO GRADE)	239.5'±	226.5'±	
	(COVER)	(COVER)	
6" INVERT IN (i)	238.4'±	225.0'±	
6" INVERT OUT (o)	238.3'±	224.9'±	
SUMP	236.3'±	222.9'±	

- USE 18" ADS N-12 CORRUGATED PIPE THAT SHALL BE INSTALLED TO THE MANUFACTURER'S (ADS OF HILLIARD, OH OR EQUIVALENT) RECOMMENDED INSTALLATION GUIDELINES.
- 2. WIRE MESH GUARDS, OR EQUIVALENT, SHALL BE INSTALLED PRIOR TO THE OUTLETS FOR EACH CATCHBASIN/CLEANOUT TO PREVENT DEBRIS FROM ENTERING THE DRAINAGE

#### 18" CLEAN-OUT (NOT TO SCALE)

# CONSTRUCTION NOTES

- 1. THE EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ON THE SITE DEVELOPMENT PLAN ARE BASED ON FIELD SURVEYS PERFORMED BY PRECISION LAND SURVEYING INC.
- 2. PRIOR TO ANY CONSTRUCTION, THE RECORD CONTRACTOR SHALL MEET WITH WSP TO REVIEW THE APPROVED
- DESIGN PLANS AND DISCUSS CONSTRUCTION STANDARDS, REQUIREMENTS, INSPECTIONS & SCHEDULING. 3. ALL CONSTRUCTION METHODS SHALL COMPLY WITH THE SITE DEVELOPMENT PLAN SET AND ALL LOCAL, STATE AND
- FEDERAL AGENCY APPROVALS AND PUBLIC/ PRIVATE UTILITY COMPANY REQUIREMENTS. 4. THE RECORD CONTRACTOR SHALL NOTIFY WSP THREE BUSINESS DAYS PRIOR TO EACH CONSTRUCTION PHASE (i.e.

# FOUNDATION EXCAVATION, SEPTIC INSTALLATION, DRAINAGE INSTALLATION, ETC.).

- **SWPA NOTES** THE TOWN OF WESTON STORMWATER PERMITTING AUTHORITY (SWPA) INSPECTION REQUIREMENTS:
- 1. THE SWPA SHALL BE NOTIFIED A MINIMUM OF THREE BUSINESS DAYS PRIOR TO ANY DESIRED INSPECTION DATE. 2. THE SWPA SHALL INSPECT ALL INSTALLED EROSION CONTROL PRIOR TO ANY LAND DISTURBANCE.
- 3. THE SWPA SHALL INSPECT THE STORMWATER INFRASTRUCTURE EXCAVATION FOR SOILS AND GROUNDWATER
- CONDITIONS PRIOR TO INSTALLATION OF ANY STORMWATER COMPONENTS INCLUDING STONE.
- 4. PRIOR TO ANY BACKFILL, THE SWPA SHALL INSPECT THE STORMWATER INFRASTRUCTURE WITH ALL THE COMPONENTS INSTALLED.
- 5. THE SWPA SHALL INSPECT THE PROJECT SITE AND STORMWATER INFRASTRUCTURE AFTER FINAL GRADING.
- 6. ADDITIONAL INSPECTIONS MAY BE REQUIRED BY THE SWPA.
- 7. AN AS-BUILT PLAN SHALL BE REQUIRED AT THE COMPLETION OF THE PROJECT. FOR FURTHER INFORMATION REGARDING THE AS-BUILT PLAN REQUIREMENTS, REFER TO THE STORMWATER PERMIT ISSUED BY THE TOWN OF WESTON. AT A MINIMUM, THE AS-BUILT PLAN SHALL INCLUDE: PROJECT AREA TOPOGRAPHY, ALL STORMWATER-DRAINAGE FACILITIES, STRUCTURES, CONVEYANCES, WITH ALL THE ELEVATIONS, LOCATIONS, INVERTS
- SIZES AND MATERIALS. 8. AT THE COMPLETION OF CONSTRUCTION, WHEN THE SITE IS STABILIZED, THE APPLICANT OR OWNER SHALL SUBMIT A REQUEST IN WRITING TO THE SWPA REVIEW ENGINEER FOR A CERTIFICATE OF COMPLETION WITH THE REQUIRED DOCUMENTATION AS NOTED IN THE STORMWATER MANAGEMENT PERMIT CONDITIONS.

PREPARED FOR: NICHOLAS KERAMARIS 6 BELLIS CIRCLE, UNIT F CAMBRIDGE, MA 02140

PREPARED BY:

100 SUMMER STREET BOSTON, MA 02110 617.426.7330

REGISTRATION STAMP:



	/		
REVISION	<b>1</b> S:		
REV NO:	DATE:	DESCRIPTION:	BY:
1	6/17/22	PLANNING BOARD REVISIONS	NSB

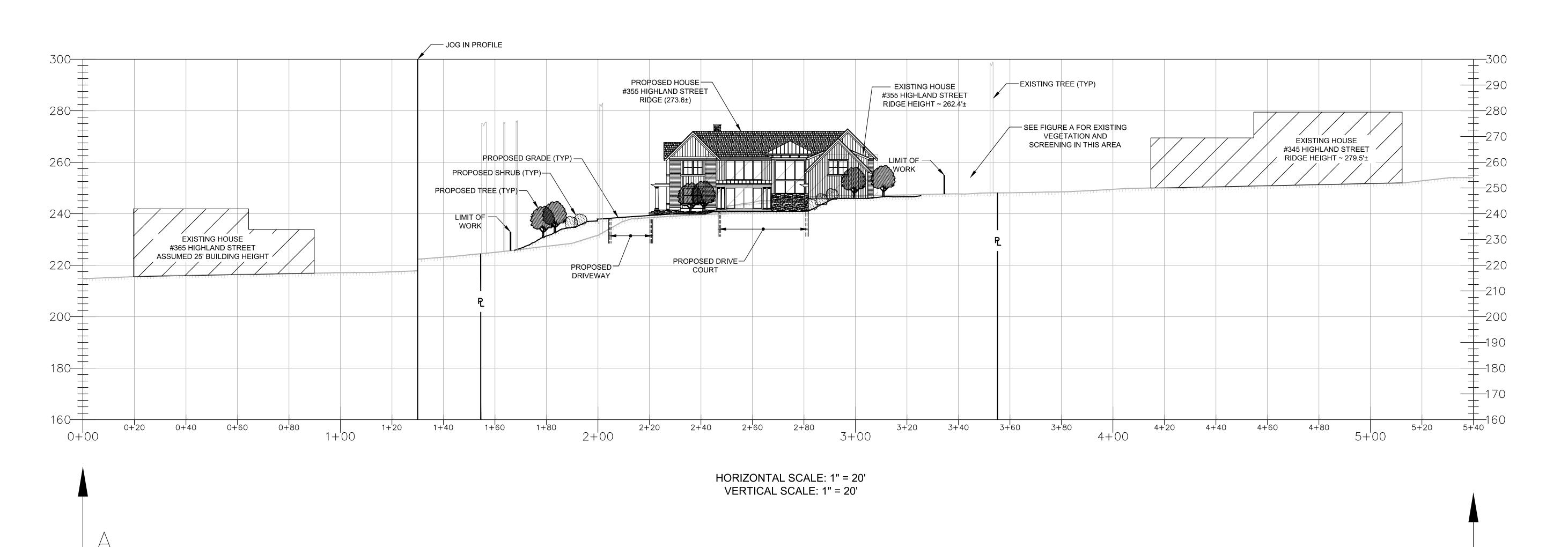
REGISTRY USE ONLY:

PLAN TITLE:

No. 355 HIGHLAND STREET DETAIL SHEET 3 OF 3

CIVIL DRAWN BY: CHECKED BY: APPROVED BY: DATE: SCALE:

5/26/2022



### **PLAN VIEW** SCALE: 1" = 60'

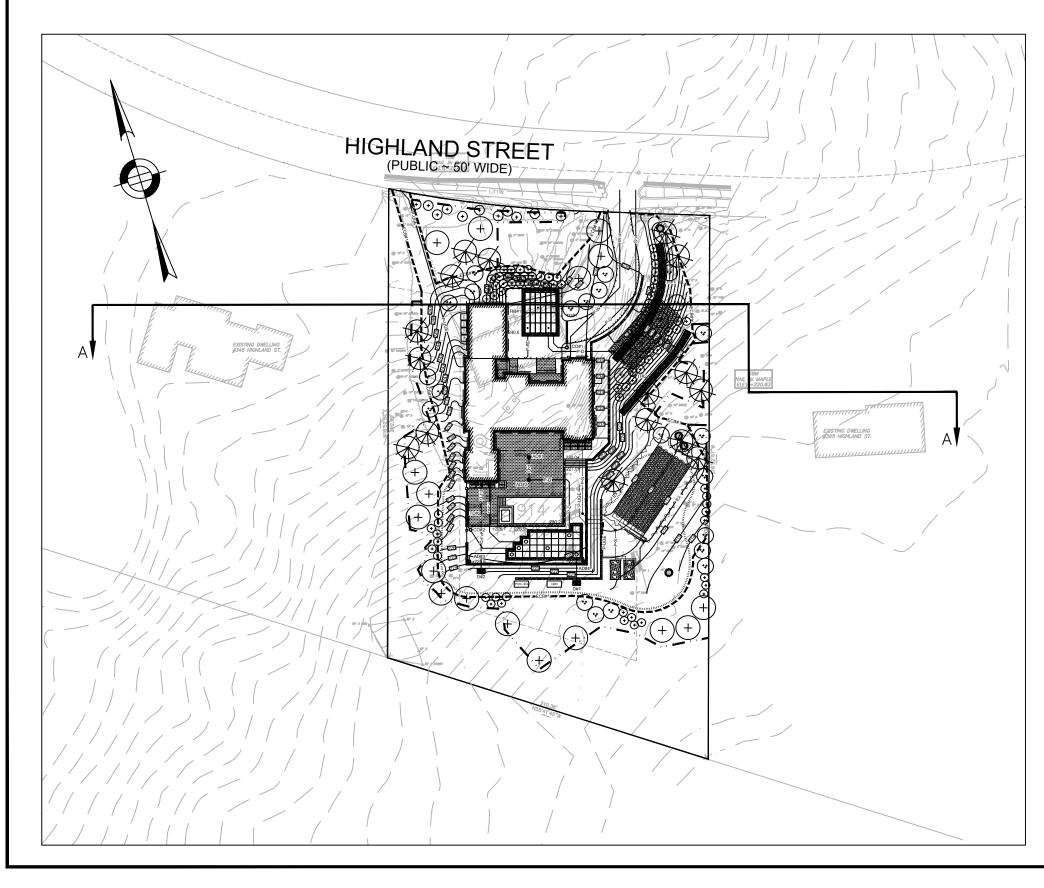




FIGURE A

# **GENERAL NOTES**

- 1. FOR ADDITIONAL PROPERTY LINE INFORMATION REFER TO THE DEED BOOK 75870, PAGE 212 RECORDED AT THE MIDDLESEX REGISTRY OF DEEDS.
- 2. TOWN OF WESTON ASSESSOR'S MAP/LOT REFERENCE FOR THE PROJECT IS MAP 43, LOT 37.
- 3. THE ZONING CLASSIFICATION FOR THIS PROJECT IS RESIDENCE A.
- 4. THE PROJECT SITE DATUM IS N.A.V.D. 88.
- 5. THE PLANIMETRIC AND TOPOGRAPHIC SITE FEATURES SHOWN HEREON ARE BASED ON FIELD
- SURVEY WORK PERFORMED BY STAMSKI AND McNARY, INC. IN DECEMBER 2021.
- 6. ANY EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON
- 7. THE ABUTTING HOMES SHOWN HEREON ARE BASED ON THE TOWN OF WESTON GIS, PHOTOS AND SURVEY AS NOTED ABOVE. THEREFORE, THE SHAPE, LOCATION, MASSING AND ELEVATIONS SHALL BE CONSIDERED APPROXIMATE.
- 8. THIS PLANSET IS INTENDED FOR PERMITTING REVIEW AND APPROVAL ONLY.

COMPILED INFORMATION AND SHALL BE CONSIDERED APPROXIMATE.

PREPARED FOR: NICHOLAS KERAMARIS 6 BELLIS CIRCLE, UNIT F CAMBRIDGE, MA 02140

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REV NO:	DATE:	DESCRIPTION:	BY:			
1	6/17/22	PLANNING BOARD REVISIONS	NSB			

REGISTRY USE ONLY:

No. 355 HIGHLAND STREET **CROSS SECTION A** 

DISCIPLINE:

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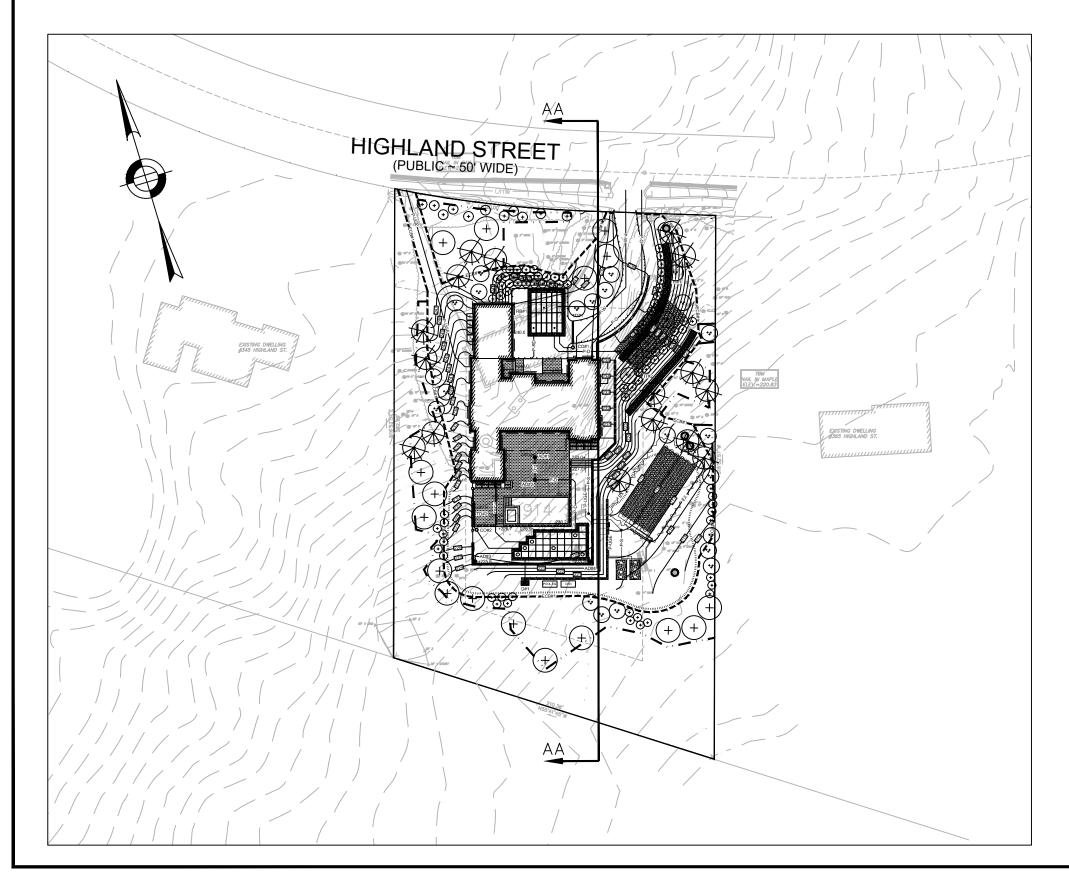
CIVIL CHECKED BY: APPROVED BY:

SCALE:

1" = 20' 5/26/2022



### **PLAN VIEW** SCALE: 1" = 60'





# FIGURE AA

## **GENERAL NOTES**

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- 7. THIS PLANSET IS INTENDED FOR PERMITTING REVIEW AND APPROVAL ONLY.

PREPARED FOR: NICHOLAS KERAMARIS 6 BELLIS CIRCLE, UNIT F CAMBRIDGE, MA 02140

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REVISION	REVISIONS:				
REV NO:	DATE:	DESCRIPTION:	BY:		
1	6/17/22	PLANNING BOARD REVISIONS	NSB		

REGISTRY USE ONLY:

No. 355 HIGHLAND STREET **CROSS SECTION AA** 

DISCIPLINE:

CIVIL CHECKED BY:

DRAWN BY: APPROVED BY:

SCALE: 1" = 20' 5/26/2022